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CEM2000

EN **User manual**

PHILIPS

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1 Important

Safety

- Read and understand all instructions before you use your apparatus. If damage is caused by failure to follow instructions, the warranty does not apply.
- This apparatus is designed for negative ground (earth) 12 V DC operation only.
- To ensure safe driving, adjust the volume to a safe and comfortable level.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.
- Use only the supplied mounting hardware for a safe and secure installation.
- To avoid short circuit, do not expose the apparatus, remote control or remote control batteries to rain or water.
- Never insert objects into the ventilation slots or other openings on the apparatus.
- Clean the apparatus and frame with a soft, damp cloth. Never use substances such as alcohol, chemicals or household cleaners on the apparatus.
- Never place any objects other than discs into the apparatus.
- Never use solvents such as benzene, thinner, cleaners available commercially, or anti-static sprays intended for discs.
- Visible and invisible laser radiation when open. Avoid exposure to beam.
- Risk of damage to the apparatus screen! Never touch, push, rub or strike the screen with any object.

Caution

- Use of controls or adjustments or performance of procedures other than herein may result in hazardous radiation exposure or other unsafe operation.

Notice

Notice of compliance

The set complies with the FCC-Rules, Part 15 and with 21 CFR 1040.10. Operation is subject to the following two conditions:
1.This device may not cause harmful interference, and
2.This device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device,pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
– Relocate the receiving antenna.
– Increase the separation between the equipment and receiver
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/ TV technician for help.

IMPORTANT!

Modifications not authorized by the manufacturer may void users authority to operate this device.

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The making of unauthorized copies of copy-protected material, including computer programs, files, broadcasts and sound recordings, may be an infringement of copyrights and constitute a criminal offence. This equipment should not be used for such purposes.

This apparatus includes these labels:

Class II equipment symbol

This symbol indicates that the apparatus has a double insulation system.

Recycling

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.
When you see the crossed-out wheel bin symbol attached to a product, it means the product is covered by the European Directive 2002/96/EC:

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products. The correct disposal of your old product helps prevent potentially negative consequences on the environment and human health.
Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed of with normal household waste.
Please inform yourself about the local rules on separate collection of batteries. The correct disposal of batteries helps prevent potentially negative consequences on the environment and human health.

CE

This product complies with the radio interference requirements of the European Community.
This product complies with the requirements of the following directives and guidelines: 2004/108/EC + 2006/95/EC.

Environmental information
All unnecessary packaging has been omitted. We have tried to make the packaging easy to separate into three materials: cardboard (box), polystyrene foam (buffer) and polyethylene (bags, protective foam sheet.)
Your system consists of materials which can be recycled and reused if disassembled by a specialized company. Please observe the local regulations regarding the disposal of packaging materials, exhausted batteries and old equipment.
Any changes or modifications made to this device that are not expressly approved by Philips Consumer Lifestyle may void the user's authority to operate the equipment.
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2 Your car audio system

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your product at www.philips.com/welcome.

Introduction

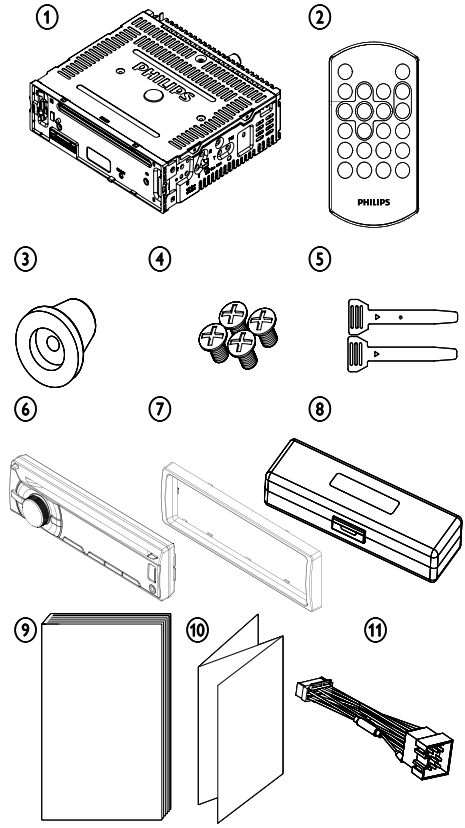
With the in-car audio system, you can enjoy your drive while you listen to:

- FM or AM (MW) radio
- Audio from CD or MP3 disc
- Audio from a USB drive
- Audio from external devices

What's in the box

Check and identify the contents of your package:

1. In-car audio system
2. Remote control
3. Rubber cushion
4. Screw (4 pieces)
5. Disassembly tool (2 pieces)
6. Front panel
7. Trim plate
8. Carrying case for front panel
9. User manual
10. Quick start guide
11. Standard ISO connector



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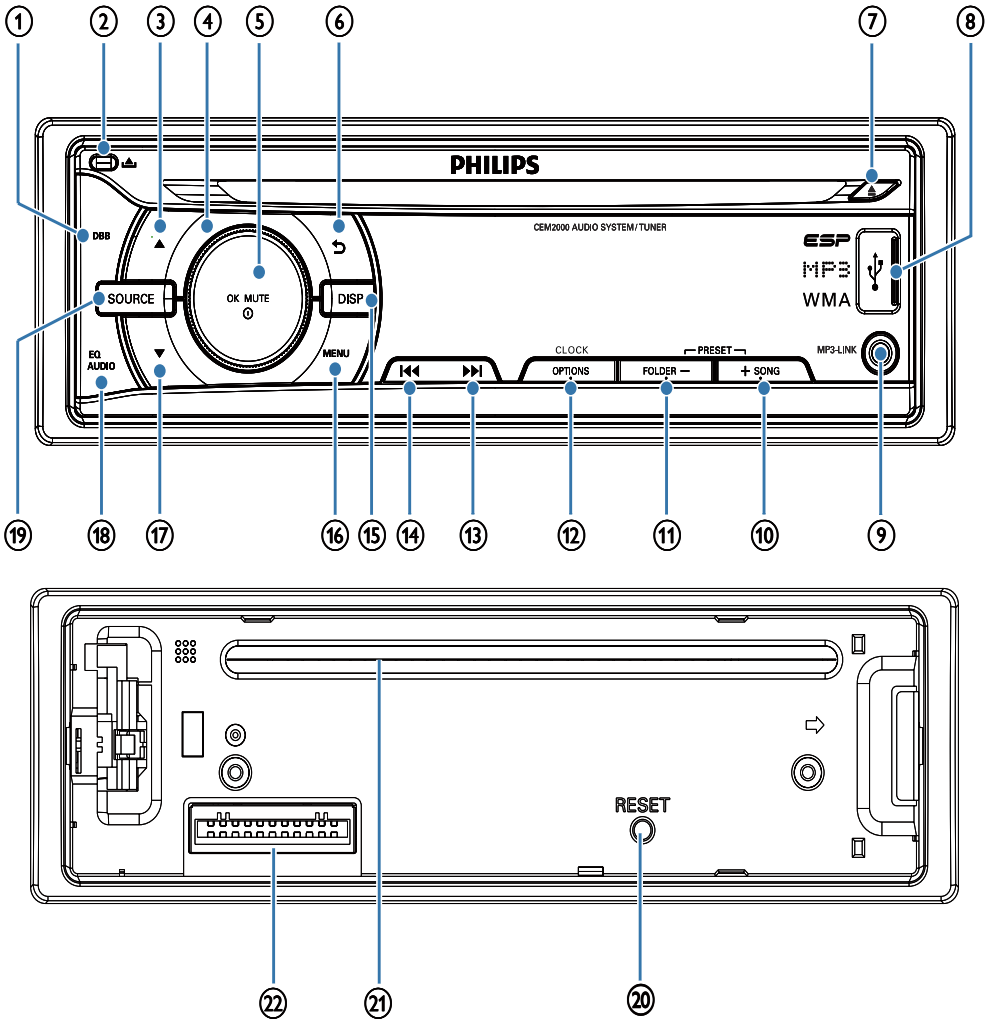
Overview of the main unit



① DBB
- Turn on or off Dynamic Bass Boost (DBB) sound.

② ⏏
- Unlock the panel

③ ▲
- Select tuner band.
- Select MP3/WMA folder.
- Scroll up menu.

④ Turn to adjust Encoder volume.

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⑤ ⏻OK//MUTE
- Turn the unit on or off.
- Confirm selection.
- Mute or restore volume.

⑥ ⮌
- Return to previous menu.

⑦ ⏏
- Eject disc.

⑧ USB socket.

⑨ MP3 LINK
- External device socket

⑩ +SONG
- Preset up
- Manual store
- Song search

⑪ FOLDER -
- Preset Down
- Manual Store
- Folder search

⑫ OPTIONS/CLOCK
- enter into Options menu
- Press and hold to view clock.

⑬ ⏭
- Tune to a radio station
- Skip track.
- Fast forward playback.

⑭ ⏮
- Tune to a radio station
- Skip track.
- Fast backward playback.

⑮ DISP
- Display radio frequency, and radio program type (if available).
- Display track, elapsed time, artist, album, title, folder, file and clock.

⑯ MENU
- Access system menu.

⑰ ▼
- Select tuner band.
- Scroll down menu.
- Select MP3/WMA folder.

⑱ EQ AUDIO
- Press to select equalizer (EQ) setting.
- Press and hold to access audio setting menu.

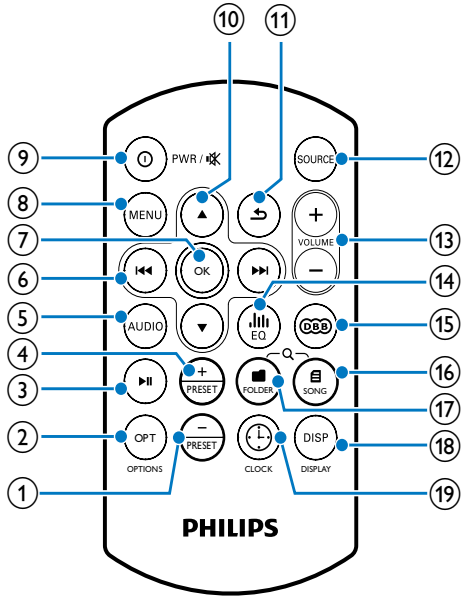
⑲ SOURCE
- Select audio source.

⑳ RESET
- Restore default settings

㉑ Disc slot

㉒ Panel power connection

Overview of the remote control



① -/RRESET
- Preset down.

② OPT
- Access option menu.

③ ▶II
- Start play.
- Pause or resume play.

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④ +/PRESET
- Preset up.

⑤ AUDIO
- Access audio setting menu.

⑥ ⏮/⏭
- Tune to a radio station
- Skip track.
- Fast backward/forward playback

⑦ OK
- Confirm selection.

⑧ MENU
- Access system menu.

⑨ ⏻/PWR/🔇
- Turn the unit on or off.
- Mute or restore volume.

⑩ ▲/▼
- Select tuner band.
- Scroll up/down menu.
- Select MP3/WMA folder.

⑪ ⮌
- Return to previous/top menu.

⑫ SOURCE
- Select audio source.

⑬ VOLUME +/-
- Adjust volume.

⑭ EQ
- Select EQ setting.

⑮ DBB
- Turn on or off Dynamic Bass Boost (DBB) sound.

⑯ SONG
- Song Browser.

⑰ FOLDER
- Folder Browser.

⑱ DISP
- Display radio frequency, and radio program type (if available).
- Display track, elapsed time, artist, album, title, folder, file and clock.
- Press and hold to access illuminate dimmer settings.

⑲ CLOCK
- View clock.

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3 Get started

Caution

- Use the controls only as stated in this user manual.

Always follow the instructions in this chapter in sequence.
If you contact Philips, you will be asked for the model and serial number of your apparatus. The model number and serial number are on the bottom of your apparatus. Write the numbers here:
Model No. _____
Serial No. _____

Install the car audio

These instructions are for a typical installation. However, if your car has different requirements, make the corresponding adjustment. If you have any questions regarding installation kits, consult your Philips car audio dealer.

Caution

- This unit is designed for negative ground (earth) 12 V DC operation only.
- Always install this unit in the car dashboard. Other locations can be dangerous as the rear of the unit heats up during use.
- To avoid short-circuit: before you connect, ensure that the ignition is off.
- Ensure that you connect the yellow and red power supply leads after all other leads are connected.
- Ensure that all loose leads are insulated with electrical tape.
- Ensure that the leads do not get caught under screws orin parts that will move (e.g. seat rail).
- Ensure that all ground (earth) leads are run to a common ground (earth) point.
- Use only the supplied mounting hardware for a safe and secure installation.
- Improper fuses can cause damage or fire. When you need to change the fuse, consult a professional.

Note on the power supply lead (yellow)

- When you connect other devices to this apparatus, ensure that the rating of the car circuit is higher than the total fuse value of all the connected devices.

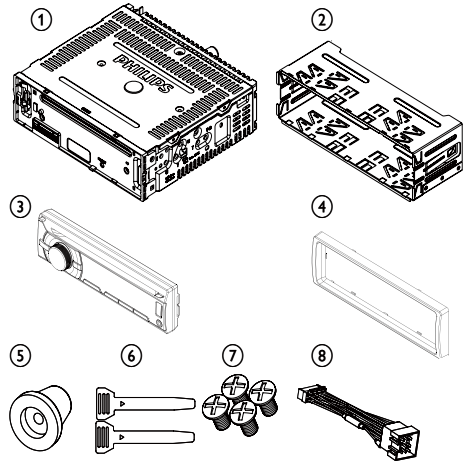
Notes on speaker connection

- Never connect speaker wires to the metal body or chassis of the car.
- Never connect speaker wires with stripes to one another.

Overview of parts

These are the supplied parts needed to connect and install this unit.

① In-car audio system
② Sleeve
③ Front panel
④ Trim plate
⑤ Rubber cushion
⑥ Disassembly tools
⑦ Screws (4 pieces)
⑧ Standard ISO connector



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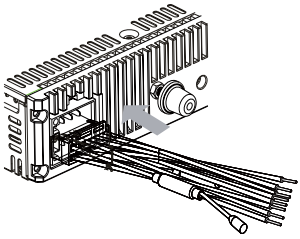
Connection: for cars with ISO connectors

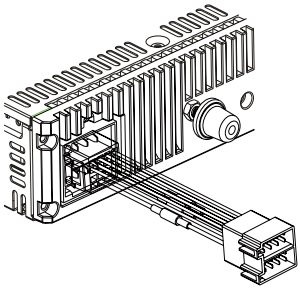
Caution

- Ensure that all loose leads are insulated with electrical tape.

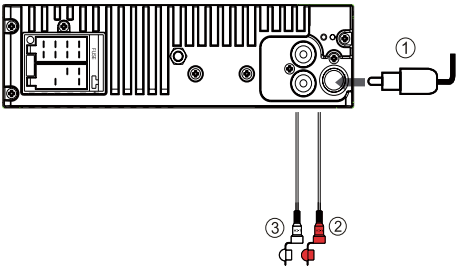
1 Pull out the ISO connectors from car dashboard and connect them to the bigger end of the supplied standard connector.



2 Connect the other end of the supplied standard connector to the unit.



3 Connect the antenna and amplifier as illustrated, if applicable. You can connect the car audio to the amplifier through RCA-TO-RCA cables (not supplied).



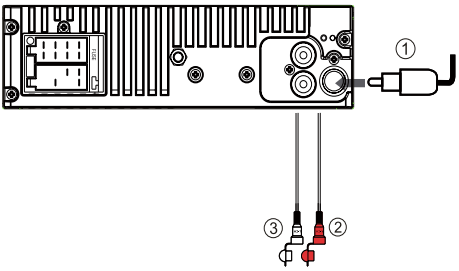
	Connector	Connect to
1	ANTENNA	Antenna
2	REAR LINE OUT R	Rear right speaker
3	REAR LINE OUT L	Rear left speaker

Connection: for cars without ISO connectors

Caution

- Be sure to connect the black ground (earth) lead first.

1 Connect the antenna and amplifier as illustrated, if applicable.



	Connector	Connect to
1	ANTENNA	Antenna
2	REAR LINE OUT R	Rear right speaker
3	REAR LINE OUT L	Rear left speaker

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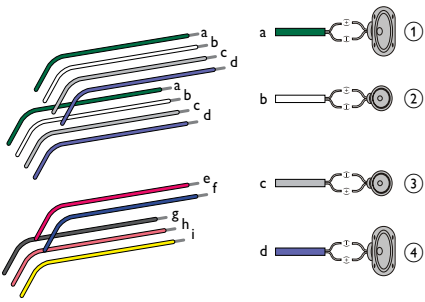


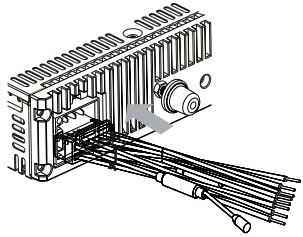
2 Cut off the bigger end of the supplied standard connector.

3 Check the car's wiring carefully and connect them to the supplied standard connector.

1	Green/black strip	Left speaker (Rear)
2	White/black strip	Left speaker (Front)
3	Gray/black strip	Right speaker (Front)
4	Purple/black strip	Right speaker (Rear)

e	RED	**Ignition key +12V DC when ON/ACC**
f	BLUE	**Motor/electric antenna relay control lead/ Amplifier relay control lead**
g	BLACK	Ground
h	ORANGE	Illumination switch
i	YELLOW	To the +12V car battery which is energized at all times

4 Connect the supplied standard connector to the unit.



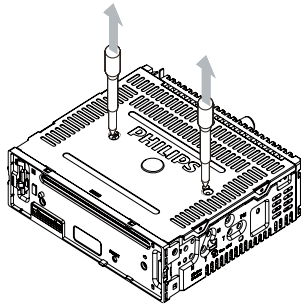
Tip

- The pin arrangement for the ISO connectors depends on the type of vehicle you drive. Make sure to make the proper connections to prevent damage to the unit.

Mount in the dashboard

1 If the car does not have an on-board drive or navigation computer, disconnect the negative terminal of the car battery.
   - If you disconnect the car battery in a car that has an on-board drive or navigation computer, the computer may lose its memory.
   - If the car battery is not disconnected, to avoid short-circuit, ensure that bare wires do not touch each other.

2 Remove the two screws on the top of the unit.



3 Remove the mounting sleeve with the supplied disassembly tools.

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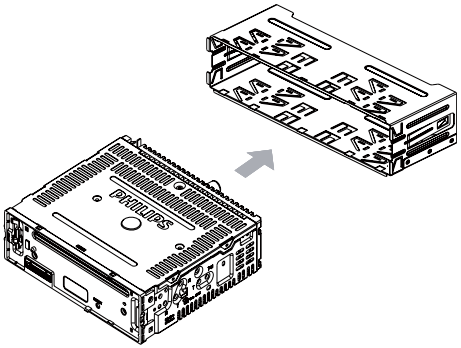
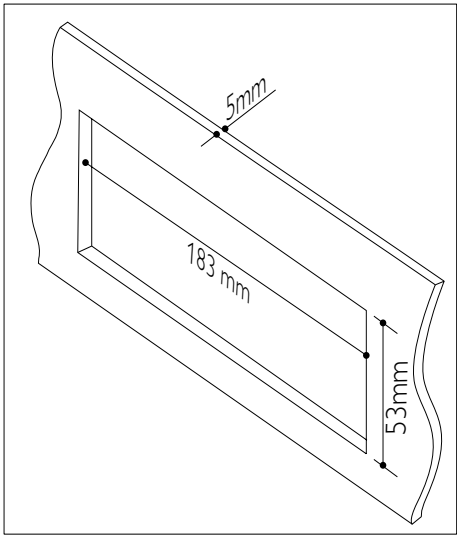


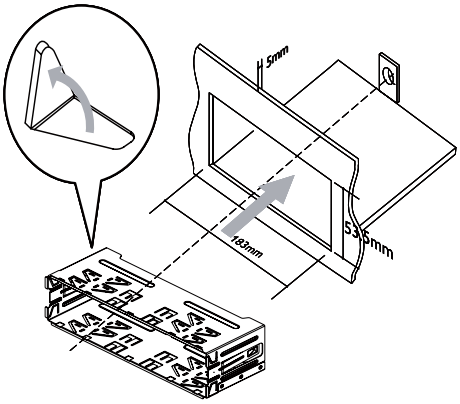
4 Ensure that car dashboard opening is within these measurements:



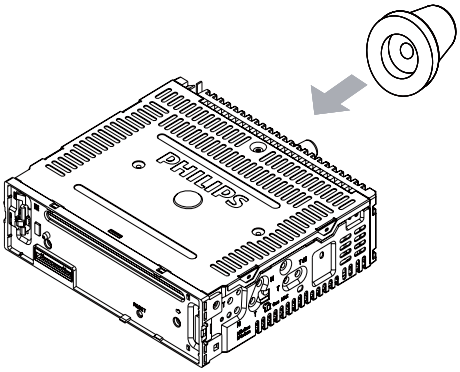
5 Install the sleeve into the dashboard and bend the tabs outward to fix the sleeve.

Note

- Skip this step if the unit is not fixed by sleeve but by supplied screws.



6 Place the supplied rubber cushion over the end of the mounting bolt.



7 Slide the unit into the dashboard until you hear a click sound.

8 Reconnect the negative terminal of the car battery.

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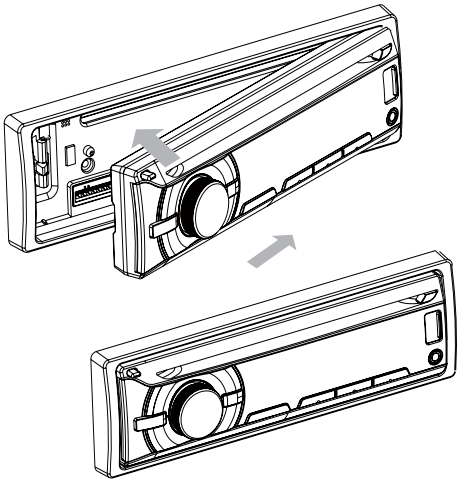
Attach the front panel

1 Attach the trim plate.



2 Insert the right side of the panel in the chassis until it is correctly engaged.
3 Press the left side of the panel and point the left hole at the left pillar.
4 Release the panel to engage the left side.

Install remote control battery

Caution

- Risk of explosion! Keep batteries away from heat, sunshine or fire. Never discard batteries in fire.
- Risk of decreased battery life! Never mix different brands or types of batteries.
- Risk of product damage! When the remote control is not used for long periods, remove the batteries.
- Perchlorate Material - special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

For first-time use:

1 Remove the protective tab to activate the remote control battery.

To replace the remote control batteries:

1 Open the battery compartment.
2 Insert 1 CR2025 batteries with correct polarity (+/-) as indicated.
3 Close the battery compartment.

Turn on

1 Press ⏻/**OK**/**MUTE** to turn on the unit.
   - To turn off the unit, press ⏻ /**OK**/**MUTE** for 3 seconds.

Set clock

1 Press **MENU**.
2 Press ▲ or ▼ repeatedly until the currently time is displayed.
3 Turn ⏻/**OK**/**MUTE** clockwise to set hour.
4 Press ⏻/**OK**/**MUTE** to confirm.
5 Turn ⏻/**OK**/**MUTE** anti-clockwise to set minute.
6 Press ⏻/**OK**/**MUTE** to confirm.

View clock

1 Press and hold **OPTIONS** repeatedly until the clock is displayed.

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4 Listen to radio

Tune to a radio station

1 Press **SOURCE** repeatedly to select Tuner.

2 Press ▲ or ▼ to select band: **[FM1]**, **[FM2]**, **[FM3]**, **[AM1]**, or **[AM2]** .

3 Press ⏮ or ⏭ to tune to a radio station manually.
   ↳ The radio station is broadcast.
   ↳ To search for a radio station automatically, press ⏮ or ⏭ for 3 seconds.

Select tuner area

You can select the suitable country area of the radio.

1 Press **SOURCE** to select Radio mode, Press **MENU** repeatedly to select area.

2 Rotate Encoder knob to select:
- [**Europe**] (Western Europe)
- [**USA**] (United States)
- [**LATIN**] (Latiin America)
- [**ORIT**] (Russia)

Select tuner sensitivity

You can adjust the tuner sensitivity if you want to receive more radio stations or only stations with strong signal.

1 Press **OPTIONS** repeatedly until **[LOCAL]** or [**DX**] is displayed.

2 Rotate ⏻/**OK**/**MUTE** to select a setting:
- [**LOCAL SEEK ON**] (local seek on): Only stations with strong signal can be broadcast.
- [**LOCAL SEEK OFF**] (local seek off): Stations with strong and weak signals can be broadcast.

Store radio stations in memory

You can store up to 6 stations in each band.

Store staions automatically

1 Press **OPTIONS** repeatedly until [AUTO-SCAN] is displayed, then press ⏻ /**OK**/**MUTE** to confirm.
   ↳ The six strongest stations of the selected band are saved in preset channel automatically: FM1,FM2,FM3 1-6, AM1, AM2.

Store staions manually

1 Tune to a station that you want to store. (see 'Tune to a radio station' on page 16)

2 Long Press **-/RRESET** or **+/PRESET** to enter store mode.
   ↳ LCD Preset number blink.

3 Short press **-/RRESET** or**+/PRESET** to select storing location.

4 Press ⏻/**OK**/**MUTE** to confirm.
   ↳ The station is saved in the selected channel.
   ↳ LCD Preset number light up always.

Tune to a preset station

1 Press ▲ or ▼ to select band.

2 Press **-/RRESET** or **+/PRESET** to select the preset station.

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5 Play audio files

Note

- Ensure that the disc or device contains playable files.

Play a disc

Note

- You cannot play CDs encoded with copyright protection technologies.

You can play commercially available audio CDs and these discs:

- CD-Recordables (CD-R)
- CD-Re-writables (CD-RW)
- MP3 CDs
- WMA CDs

Note

- Ensure that the disc contains playable content.

1 Insert a CD with the printed side facing up.
   ↳ Play starts automatically.

- To pause CD play, press ⏻/**OK**/**MUTE**.
- To resume CD play, press⏻/**OK**/**MUTE** again.

Remove the CD

To take out the CD.

1 Press ⏏ on the front panel.

Play from USB

Note

- Ensure that the USB device contains playable music.

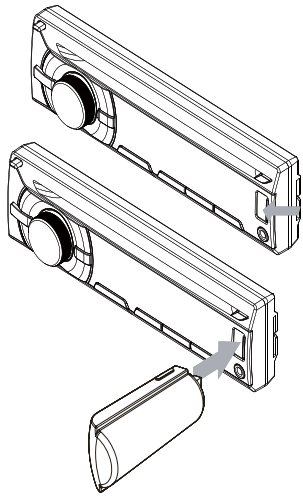
Remove the USB device

1 Press ⏻/**OK**/**MUTE** to turn off the unit.
2 Remove the USB device.

Insert the USB device

1 Open the cover marked ⇠ on the front panel.

2 Insert the USB device into the USB socket.
   ↳ The unit starts playing from the USB device automatically.



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Control play

Folder Search

1 Press **FOLDER -** to enter folder search mode.
2 Rotate Encoder to select a folder.

Song Search

1 Press **+SONG** to enter song search mode.
2 Rotate Encoder to select a track.

- To skip to the previous/next track, press ⏮ or ⏭.
- To search backward/forward rapidly within the current track, press ⏮ or ⏭ for 3 seconds.
- To pause, press ⏻/**OK**/**MUTE**.
- To resume play, press ⏻/**OK**/**MUTE** again.

Search for an MP3/WMA track

1 Press **FOLDER -**.
   - Current folder name is displayed. Rotate encoder knob to navigate through all folders on the disc/USB.
   - Folder name is displayed. Press /**OK**/**MUTE** to Access into the desired folder. Rotate encoder knob to select a file in the folder. Press /**OK**/**MUTE** to play the selected file.
2 Press **+SONG**.
   ↳ Current song name is displayed.

Rotate encoder knob to select a file in current folder.
Press ⏻/**OK**/**MUTE** to confirm.

Tip

- To go back to upper level of a folder, press ⮌.

View play information

1 During play USB device, press **DISP** repeatedly to view:
   - Track number and elapsed play time
   - Artist
   - Album
   - Title
   - Folder
   - File

Repeat play

1 During play, press **OPTIONS** repeatedly until **[REP]** is displayed.
2 Rotate encoder knob to select a setting.

- **[RPT TRK]** (repeat one track): play the current track repeatedly.
- **[RPT DIR]** (repeat a folder): play all tracks in the current folder repeatedly.
- **[RPT ALL]** (repeat all tracks): play all tracks repeatedly.

Shuffle play

You can play the tracks in random order:

1 During play, press **OPTIONS** repeatedly until **[SHUF]** is displayed.
2 Rotate encoder knob to select a setting:
   - **[SHUF ON]**: start shuffle play for all tracks.
   - **[SHUF OFF]**: cancel shuffle play.

English

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Intro play

You can play the first 10 seconds of each track.

1. During play, press **OPTIONS** repeatedly until **[INT]** is displayed:
2. Rotate encoder knob to select a setting
   - **[INT ON]** : After the first 10 seconds of each track have been played, play stops.
   - **[INT OFF]** : Cancel intro play and start normal play.

Connect external sound source

1. Connect the external sound source to **MP3 LINK** socket with a 3.5 mm cable.
2. Press **SOURCE** repeatedly until **[MP3 LINK]** is displayed.
3. Operate the external component (refer to the instructions supplied with the external component).

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6 Adjust sound

Adjust volume

1 Turn ⏻/**OK**/**MUTE** clockwise/ anticlockwise to increase/decrease volume.

Mute

You can turn off the sound of your audio.

1 During play, press⏻/**OK** /**MUTE**.
- To turn the sound back on, press ⏻ /**OK**/ **MUTE** again.

Turn Dynamic Bass Boost (DBB) on/off

1 Press **DBB**, the current setting is displayed:
↳ **[DBB ON]** :The Dynamic Bass Boost (DBB) function is on.
↳ **[DBB OFF]** :The DBB function is off.

2 Press **DBB** again to change the DBB setting.

Select preset equalizer

1 Press **EQ/Audio**.
↳ The current Equalizer setting is displayed.

2 Press **EQ/Audio** again repeatedly to select a preset EQ:
- **[OPTIMAL]** (optimal)
- **[FLAT]** (flat)
- **[POP]** (pop)
- **[USER]** (user)
- **[TECHNO]** (techno)
- **[ROCK]** (rock)
- **[CLASSIC]** (classic)
- **[JAZZ]** (jazz)

Other sound settings

You can also edit user preset **EQ/Audio**.

1 Press and hold **EQ/Audio** for 3 seconds.

2 Press ▲ or ▼ repeatedly to select the item to be adjusted:
- **[BAS]** (bass) range: -7 to +7.
- **[TRE]** (treble) range: -7 to +7.
- **[BAL]** (balance) range: 12L to 12R. (L = left speaker, R = right speaker)
- **[FAD]** (fader) range: 12R to 12F. (R = rear speaker, F = front speaker)

3 Turn ⏻/**OK**/**MUTE** to select a value.

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7 Adjust system settings

Turn demo mode on/off

When demo mode is on, when the unit is idle for more than 2 minutes, all functions are displayed.

1. Press **MENU**.
2. Press ▲ or ▼ repeatedly to until **[DEMO]** is displayed.
   ↳ The screen shows current Demo mode setting.
3. Rotate encoder knob to select a setting:
   - **[DEMO ON]** : Turn on the demo mode.
   - **[DEMO OFF]** : Turn off the demo mode.

Turn beep sound on/off

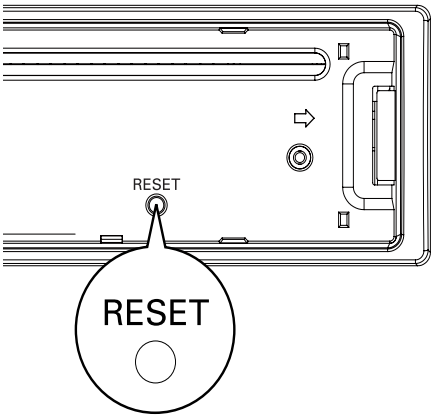
Each time you press a button, the unit beeps. You can turn off/on this beep sound.

1. Press **MENU**.
2. Press ▲ or ▼ repeatedly to until **[BEEP]** is displayed.
3. Rotate encoder knob to select a setting:
   - **[BEEP ON]**: Turn on the beep sound.
   - **[BEEP OFF]**: Turn off the beep sound.

Reset

You can reset the unit to its default setting.

1. Detach the front panel.
2. Press the reset button by using a ball-point pen or a similar tool.
   ↳ Preset adjustments such as preset channels and sound adjustments are erased.



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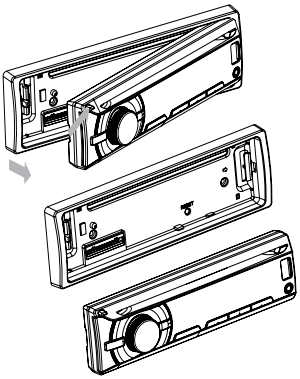
8 Additional information

Detach the front panel

You can detach the front panel to deter theft.

1 Press ⏏ to release the panel.
2 Press the left side of the panel rightward.

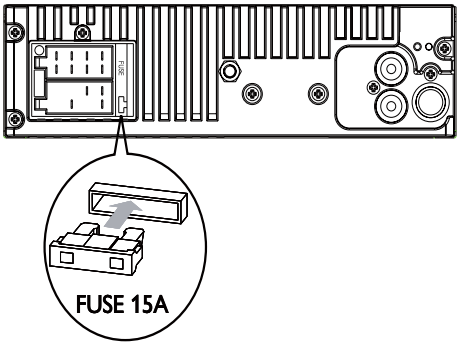


3 Pull the panel towards you to detach it from the chassis.
4 Store the panel in the supplied carry case to protect it from dirt or damage.

Replace fuse

If the fuse is damaged,

1 Check the electric connection.
2 Buy a fuse that matches the voltage of the damaged fuse.
3 Replace the fuse.



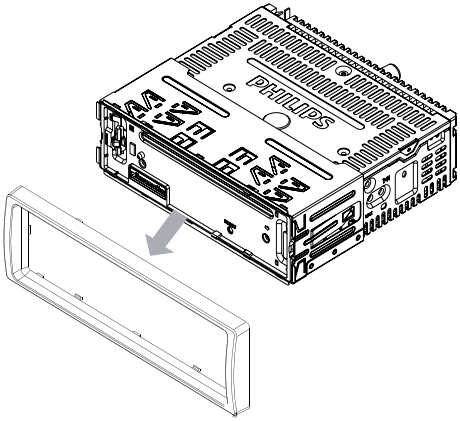
Note

- If the new fuse gets damaged again, there may be an internal malfunction. Consult your Philips dealer.

Remove the unit

You can remove the unit from the dashboard.

1 Detach the front panel.
2 Pull out the unit by using the removal keys.



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9 Product information

Note

- Product information is subject to change without prior notice.

Power supply	12 V DC (11 V - 16 V), negative ground
Fuse	15 A
Suitable speaker impedance	4 - 8 Ω
Maximum power output	45 W x 4 channels
Continuous power output	22 W x 4 RMS (4Ω 10% T.H.D.)
Pre-Amp output voltage	2.0 V
Aux-in level	≥ 500 mV
Dimensions (W x H x D)	188 x 58 x 201 mm
Weight	1.47 kg

Radio

Frequency range - FM	87.5 - 108.0 MHz (100kHz per step in auto search and 50kHz per step in manual search)
Frequency range - AM(MW)	522 - 1620 KHz (9 kHz) 530 - 1710 kHz (10 kHz)
Usable sensitivity - FM	8 µV
Usable sensitivity - AM(MW) (S/N = 20 dB)	30 µV

Compatible USB devices:

- USB flash memory: USB 1.1 host with interface reading all speed support (1.1, 2.0)
- USB flash players: USB 1.1 host with interface reading all speed support (1.1, 2.0)

Supported formats:

- USB or memory file format: FAT16, FAT32
- MP3 bit rate (data rate): 32-320 Kbps and variable bit rate
- WMA V4, V7, V8, V9 (L1, L2)
- ISO9660, Joliet
- Maximum title number: 512 (depending on file name length)
- Maximum album number: 255
- Supported sampling frequencies: 2 kHz, 44.1 kHz, 48 kHz
- Supported Bit-rates: 2~256 (kbps), variable bit rates
- Directory nesting up to a maximum of 8 levels
- Number of albums/ folders: CD maximum 99, USB maximum 199
- Number of tracks/titles: maximum 999
- ID3 tag v2.0 or later
- File name in Unicode UTF8 (maximum length 64 bytes)

Unsupported formats:

- Empty albums: an empty album is an album that does not contain MP3/WMA files, and is not be shown in the display.
- Unsupported file formats are skipped. For example, Word documents (.doc) or MP3 files with extension .dlf are ignored and not played.
- AAC, WAV, PCM audio files
- DRM protected WMA files (.wav, .m4a, .m4p, .mp4, .aac)
- WMA files in Lossless format

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10 Troubleshooting

Caution

- Never remove the casing of this apparatus.

To keep the warranty valid, never try to repair the system yourself.
If you encounter problems when using this apparatus, check the following points before requesting service. If the problem remains unsolved, go to the Philips web site (www.philips.com/support). When you contact Philips, ensure that your apparatus is nearby and the model number and serial number are available.

No power or no sound.

- Car engine is not on. Turn the car engine on.
- Cable is not correctly connected. Check connections.
- Fuse is burnt. Replace fuse.
- Volume is too low. Adjust volume.
- If the above solutions cannot help, press the RESET button.
- Ensure that the track played is of a compatible format.

Noise in broadcasts.

- Signals are too weak. Select other stations with stronger signals.
- Check the connection of the car antenna.
- Change broadcast from Stereo to mono.

Cannot play disc

- Ensure that the disc label is inserted with the printed side facing up.
- Wipe the disc with fibre cleaning cloth from the centre to the edge in a straight line.
- This disc may be defective. Play another disc.
- Ensure that the CD is a finalised CD/CD-R/CD-RW.
- Ensure that the CD is not encoded with copyright protection technologies.

The CD skips tracks

- Ensure that the CD is not damaged or dirty.
- Ensure that random mode is deactivated.

Disc cannot be ejected

- Press and hold ⏏.

Preset stations lost.

- Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live.

Display show ERR-12

- USB data error. Check the USB device.

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11 Glossary

M

MP3

A file format with a sound data compression system. MP3 is the abbreviation of Motion Picture Experts Group 1 (or MPEG-1) Audio Layer 3. With the MP3 format, one CD-R or CD-RW can contain about 10 times more data than a regular CD.

W

WMA (Windows Media Audio)

An audio format owned by Microsoft, is a part of Microsoft Windows Media technology. Includes Microsoft Digital Rights Management tools, Windows Media Video encoding technology, and Windows Media Audio encoding technology.

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